



PATENT ABSTRACTS OF JAPAN

(11) Publication number: **59119750 A**(43) Date of publication of application: **11.07.84**

(51) Int. Cl.

H01L 23/44
H02M 1/00(21) Application number: **57232919**(22) Date of filing: **24.12.82**(71) Applicant: **TOSHIBA CORP**(72) Inventor: **IKEGAME HIROO**
TANABE MAKOTO(54) **WATER COOLED SYSTEM THYRISTOR
CONVERTER**

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(57) Abstract:

PURPOSE: To prevent the decrease of cooling water when a pump stops and then prevent adverse influences on a device by a method wherein valves are respectively provided at the inlet and the outlet pipe for the cooling water of an SCR converter, which are then operated by pump stop signal.

CONSTITUTION: The valve 20A of the inlet water distribution pipe 12A and the valve 20B of the outlet water distribution pipe 12B are electromagnetic valves which open and close by an external signal. The power interruption of the pump 16, the decrease of revolutions, and the decrease of water pressure are detected, and the detected result is impressed on the valves as the external operation signal, thus immediately blocking them at the time of abnormality. therefore, the upper cooling water in the SCR valve does not decrease, and the decrease of the reliability of an SCR converter by the crush of the water distribution pipes of an insulator due to vacuum, or by the liability to discharge does not occur.

